



[Web](#) [Images](#) [Video](#) [News](#) [Maps](#) [more »](#)

-

Ad  
Sc  
Sc

- ☐ Search only in:
- ☒ Chemistry and Materials Science
  - ☒ Engineering, Computer Science, and Mathematics
  - ☒ Physics, Astronomy, and Planetary Science

☐ Search in all subject areas.

**Scholar** [All articles](#) - [Recent articles](#) Results 1 - 20 of about 364 for [monolithic substrate integrate](#)

### [A 1 GHz CMOS RF front-end IC for a direct-conversion wirelessreceiver](#) - [seu.edu.cn](#) (pdf)

A Rofougaran, JYC Chang, M Rofougaran, AA Abidi - Solid-State Circuits, IEEE Journal of, 1996 - [ieeexplore.ieee.org](#)

... clear which parameters are within the circuit designer's reach ... value inductors may only be integrated on semi ... while on a standard silicon substrate inductors no ...

[Cited by 219](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 6 versions](#)

### [Future directions in silicon ICs for RF personal communications](#) - [berkeley.edu](#) (pdf)

PR Gray, RG Meyer - Custom Integrated Circuits Conference, 1995., Proceedings of ..., 1995 - [ieeexplore.ieee.org](#)

... IEEE 1995 CUSTOM INTEGRATED CIRCUITS CONFERENCE 83 ... to be low enough that nor- mal monolithic filtering techniques ... used to tune the desired channel, is at much ...

[Cited by 195](#) - [Related articles](#) - [Web Search](#) - [All 7 versions](#)

### [UHF/L-Band monolithic direct digital receiver](#)

RR Stehlik - US Patent 5,517,529, 1996 - [freepatentsonline.com](#)

... and decimation filtering means mounted on the substrate. ... heterodyning circuit, on a monolithic integrated circuit 108 ... the fine tuning integrated circuit 110 can ...

[Cited by 12](#) - [Related articles](#) - [Web Search](#) - [All 3 versions](#)

### [Low-power radio-frequency ICs for portable communications](#)

AA Abidi - Proceedings of the IEEE, 1995 - [ieeexplore.ieee.org](#)

... excessive capacitance to the substrate, which lowered ... that on-chip tuned circuits are generally ... amplifiers did appear on monolithic integrated circuits, it was ...

[Cited by 142](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 2 versions](#)

### [Microwave triode amplifiers from 1 to 2 GHz using molybdenumthin-film-field-emission cathode devices](#)

PM Phillips, RE Neidert, L Malsawma, C Hor - Electron Devices, IEEE Transactions on, 1995 - [ieeexplore.ieee.org](#)

... work addresses all these factors with integrated experiments and ... which the details of the matching circuit network are ... 6). Each tuner is about 12 inches long ...

[Cited by 13](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 4 versions](#)

### [High Integration CMOS RF Transceivers](#)

F Brianti, G Chien, T Cho, S Lo, S Mehta, J Ou, J ... - Analog Circuit Design, 1996 - [books.google.com](#)

... NM, Meyer, RO," A 1. 8-GHz monolithic LC voltage ... results and modeling techniques for substrate noise in mixed-signal integrated circuits," IEEEJournal ofSolid ...

[Cited by 4](#) - [Related articles](#) - [Web Search](#)

### [Voltage calibration of the direct electrooptic sampling technique](#)

DR Hjelme, AR Mickelson - Microwave Theory and Techniques, IEEE Transactions on, 1992 - [ieeexplore.ieee.org](#)

... in the operating frequency of monolithic microwave integrated circuits (MMICs) as ... contributions from the multiple reflections in the substrate m ...  
[Cited by 5](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 3 versions](#)

### Microwave monolithic integrated circuit package

DF Ammar - US Patent App. 09/862,982, 2001 - [Google Patents](#)  
... gate voltage (Vg) adjustment to tune the amplifier to ... [0088] 5. Attach the substrate board to ... is: 1. A microwave monolithic integrated circuit (MMIC) package ...  
[Related articles](#) - [Web Search](#) - [All 6 versions](#)

### Monolithic microwave wide-band VCO

GE Brehm, BN Scott - US Patent 4,481,487, 1984 - [Google Patents](#)  
... 13. A monolithic wideband voltage-controlled oscillator (VCO ... and said varactors being integrated on a common monocrystalline substrate; whereby said ...  
[Cited by 4](#) - [Related articles](#) - [Web Search](#) - [All 4 versions](#)

### 2.5-THz GaAs monolithic membrane-diode mixer

PH Siegel, RP Smith, MC Graidis, SC Martin - Microwave Theory and Techniques, IEEE Transactions on, 1999 - [ieeexplore.ieee.org](#)  
... different circuit approach, the monolithic membrane diode ... 21-GHz suspended-substrate IF transformers ... GM Rebeiz, "Progress in integrated circuit horn antennas ...  
[Cited by 55](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 4 versions](#)

### 5-GHz SiGe HBT monolithic radio transceiver with tunable filtering - [toronto.edu](#) [PDF]

MA Copeland, SP Voinigescu, D Marchesan, P Popescu ... - Microwave Theory and Techniques, IEEE Transactions on, 2000 - [ieeexplore.ieee.org](#)  
... The synthesizer was not integrated on this chip, al ... et al.: 5-GHz SiGe HBT MONOLITHIC RADIO TRANSCEIVER ... in common mode, the collector-substrate capacitance of ...  
[Cited by 39](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 5 versions](#)

### Subharmonically pumped CMOS frequency conversion (up and down) circuits for 2-GHz WCDMA direct- ...

KJ Koh, MY Park, CS Kim, HK Yu - Solid-State Circuits, IEEE Journal of, 2004 - [ieeexplore.ieee.org](#)  
... Index Terms—Active mixers, CMOS analog integrated circuits, CMOS mixer, dc offset, direct conversion, phase shifter, RF mixer, subharmonic (SH) mixing ...  
[Cited by 24](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 2 versions](#)

### Effect of mode launcher geometry on the performance of a mode-selective input coupler for a gyrotron ...

JP Tate, H Guo, M Naiman, L Chen, VL Granatstein - Electronics Letters, 1993 - [ieeexplore.ieee.org](#)  
... band by moving the coaxial tuner. ... Substrate integrated transition between a planar millimetre ... a hybrid approach, ie monolithic integrated circuits (MMICs) are ...  
[Web Search](#) - [BL Direct](#) - [All 3 versions](#)

### AP-S workshops

B Scott - Antennas and Propagation Society Newsletter, IEEE, 1987 - [ieeexplore.ieee.org](#)  
... by the addition of off-substrate loading to ... is often incompatible with high-density monolithic interface requirements ... the transition may be integrated with the ...  
[Web Search](#)

### [PDF] [Polymer-Based Optical Waveguide Circuits for Photonic Phased Array Antennas](#)

S Tang, L Wu, Z Fu, D An, Z Han, RT Chen - Proc. SPIE, 1999 - [chen-server.mer.utexas.edu](#)  
... by using photonic polymeric waveguide circuits in conjunction ... fabricated on the same substrate, can be ... Such a monolithic integrated module not only reduces the ...  
[Cited by 12](#) - [Related articles](#) - [Web Search](#) - [All 5 versions](#)

## DC offset-free RF front-end circuits and systems for direct conversion receivers

Y Zheng, CB Tear, SJ Wong - US Patent App. 10/746,200, 2003 - Google Patents

... principle, lends itself to monolithic integration much ... of various capacitive and substrate coupling ... Receivers," IEEE customer integrated circuit conference, pp ...

[Related articles](#) - [Web Search](#) - [All 4 versions](#)

## A 70-Mb/s Variable-Rate 1024-QAM Cable Receiver IC with Integrated 10-b ADC and FEC

Decoder - [seu.edu.cn](#) [PDF]

LK Tan, JS Putnam, F Lu, LJ D'Luna, DW Mueller, ... - IEEE JOURNAL OF SOLID-STATE CIRCUITS, 1998 - [ieeexplore.ieee.org](#)

... problem, a separate clean digital substrate ground line was ... rate 4-1024 QAM receiver monolithic IC has ... Currently, he is developing integrated circuits for broad ...

[Cited by 27](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 5 versions](#)

## Measuring and testing

I Kneppo, J Fabian - Microwave Integrated Circuits, 1994 - [books.google.com](#)

... current microwave measuring technique for the integrated technology is ... the electro-optic effect in the GaAs substrate. ... for any set of microwave circuits on ...

[Related articles](#) - [Web Search](#)

## Semiconductor photonic integrated circuits

TL Koch, U Koren - Quantum Electronics, IEEE Journal of, 1991 - [ieeexplore.ieee.org](#)

... the monolithic (single-substrate) integration of ... or work on monolithic wavelength-demultiplexing ... KOCH AND KOREN: SEMICONDUCTOR PHOTONIC INTEGRATED CIRCUITS ...

[Cited by 118](#) - [Related articles](#) - [Web Search](#) - [All 4 versions](#)

## Digital tuner

RD McCallister, BP Badke - US Patent 6,141,389, 2000 - Google Patents

... modulator 10 which includes a low speed integrated circuit (1C) 12 ... is a monolithic device in which only a few ... are formed on a common semiconductor substrate. ...

[Cited by 1](#) - [Related articles](#) - [Web Search](#) - [All 3 versions](#)

Key authors: [A Abidi](#) - [P Gray](#) - [A Rofougaran](#) - [J Chang](#) - [M Rofougaran](#)

Google 

Result Page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next](#)

[Google Home](#) - [About Google](#) - [About Google Scholar](#)



[Web](#) [Images](#) [Video](#) [News](#) [Maps](#) [more »](#)

integrated circuit tuner c  -

Ad  
Sc  
Sc

- ☒ Search only in: ☒ Chemistry and Materials Science  
☒ Engineering, Computer Science, and Mathematics  
☒ Physics, Astronomy, and Planetary Science

☐ Search in all subject areas.

**Scholar** Results 1 - 6 of 6 for "monolithic substrate" integrated circuit tuner direct sampling RF digital. (Tip: Try removing quotes from your search to get more results.)

### Fast-synchronizing high-fidelity spread-spectrum receiver

MR Moore, SF Smith, MS Emery - US Patent 6,744,806, 2004 - [freepatentsonline.com](#)  
... and wherein the equalizer resides on the monolithic substrate. 28. ... PLL) is necessary to fine-tune the LO ... area when fabricated in an integrated-circuit (IC) chip ...  
[Related articles](#) - [Web Search](#) - [All 7 versions](#)

### Multi-carrier receiver for a wireless telecommunication system

SK Claxton, BK Oyama, BR Allen, M Kintis, AD Smith ... - US Patent 6,631,255, 2003 - [freepatentsonline.com](#)  
... components discussed above on a monolithic substrate 132 . ... array of digital sub-band tuners (DSBTs ... desired bandwidths with the integrated circuit technology used ...  
[Cited by 2](#) - [Related articles](#) - [Web Search](#) - [All 4 versions](#)

### Radio system including mixer device and switching circuit and method having switching signal

...  
CE Dexter - US Patent 6,654,595, 2003 - [freepatentsonline.com](#)  
... as in GaAs on a single monolithic substrate, and a ... ground isolator 115 or from an integrated phase splitter 110 and ground isolation circuit 115 , and ...  
[Cited by 5](#) - [Related articles](#) - [Web Search](#) - [All 3 versions](#)

### Network swappers and circuits constructed from same

RJ Distinti - US Patent 5,404,143, 1995 - [freepatentsonline.com](#)  
... amenable to fabricating upon a monolithic substrate as a ... fabricated within a silicon integrated circuit without requiring a ... the need to laser tune the circuit. ...  
[Cited by 3](#) - [Related articles](#) - [Web Search](#) - [All 7 versions](#)

### Integrated circuit computer system having a keyboard input and a sound output

GP Hyatt - US Patent 5,615,380, 1997 - [freepatentsonline.com](#)  
... set forth in claim 1 above, wherein said integrated circuit sound stored program digital computer further includes an integrated circuit digital printer output ...  
[Cited by 1](#) - [Related articles](#) - [Web Search](#) - [All 5 versions](#)

### Radio system including FET mixer device and square-wave drive switching circuit and method therefor

MW Vice, CE Dexter - US Patent 6,108,529, 2000 - [Google Patents](#)  
... A drive circuit generates a substantially square-wave two-voltage level switching signal for driving said mixing device. An analog-to-digital converter ...  
[Cited by 5](#) - [Related articles](#) - [Web Search](#) - [All 7 versions](#)

Key authors: [C Dexter](#)

[Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2009 Google



[Web](#) [Images](#) [Video](#) [News](#) [Maps](#) [more »](#)

integrated circuit tuner c  -

Ad  
Sc  
Sc

- ☒ Search only in: ☒ Chemistry and Materials Science  
☒ Engineering, Computer Science, and Mathematics  
☒ Physics, Astronomy, and Planetary Science

☐ Search in all subject areas.

**Scholar** Results 1 - 9 of 9 for "monolithic substrate" integrated circuit tuner direct sampling RF. (0.11 se  
Tip: Try removing quotes from your search to get more results.

### Radio system including mixer device and switching circuit and method having switching signal

CE Dexter - US Patent 6,654,595, 2003 - [freepatentsonline.com](#)

... as in GaAs on a single monolithic substrate, and a ... ground isolator 115 or from an integrated phase splitter 110 and ground isolation circuit 115, and ...

[Cited by 5](#) - [Related articles](#) - [Web Search](#) - [All 3 versions](#)

### Multi-carrier receiver for a wireless telecommunication system

SK Claxton, BK Oyama, BR Allen, M Kintis, AD Smith ... - US Patent 6,631,255, 2003 - [freepatentsonline.com](#)

... components discussed above on a monolithic substrate 132. ... array of digital sub-band tuners (DSBTs ... desired bandwidths with the integrated circuit technology used ...

[Cited by 2](#) - [Related articles](#) - [Web Search](#) - [All 4 versions](#)

### Sub-nanoscale electronic systems and devices

MA Reed - US Patent 5,589,692, 1996 - [Google Patents](#)

... circuit technol-ogy uses a monolithic substrate which is ... point (analogous to an RF stub tuner). ... a new self-aligned integrated circuit interconnect technology ...

[Cited by 45](#) - [Related articles](#) - [Web Search](#) - [All 6 versions](#)

### Fast-synchronizing high-fidelity spread-spectrum receiver

MR Moore, SF Smith, MS Emery - US Patent 6,744,806, 2004 - [freepatentsonline.com](#)

... and wherein the equalizer resides on the monolithic substrate. 28. ... PLL) is necessary to fine-tune the LO ... area when fabricated in an integrated-circuit (IC) chip ...

[Related articles](#) - [Web Search](#) - [All 7 versions](#)

### SUB-NANOSCALE ELECTRONIC DEVICES AND PROCESSES

MA Reed, JM Tour - US Patent App. 10/643,747, 2003 - [Google Patents](#)

... circuit technology uses a monolithic substrate which is ... point (analogous to an RF stub tuner). ... is a new self-aligned integrated circuit interconnect technology ...

[Cited by 12](#) - [Related articles](#) - [Web Search](#) - [All 6 versions](#)

### Integrated circuit computer system having a keyboard input and a sound output

GP Hyatt - US Patent 5,615,380, 1997 - [freepatentsonline.com](#)

... Title: Integrated circuit computer system having a keyboard input and a sound output. ... 879,293; 3) SINGLE CHIP INTEGRATED CIRCUIT COMPUTER ARCHITECTURE Ser. No. ...

[Cited by 1](#) - [Related articles](#) - [Web Search](#) - [All 5 versions](#)

### SUB-NANOSCALE ELECTRONIC CIRCUIT AND PROCESS FOR MANUFACTURING THE SAME

MA Reed, JM Tour - EP Patent 0,643,883, 2003 - [freepatentsonline.com](#)

... integrated circuit technology uses a monolithic substrate which is ... point (analogous

to an RF stub tuner). ... spacing, in an integrated circuit fabrication process ...

[Web Search](#) - [All 3 versions](#)

### Network swappers and circuits constructed from same

RJ Distinti - US Patent 5,404,143, 1995 - [freepatentsonline.com](#)

... amenable to fabricating upon a monolithic substrate as a ... fabricated within a silicon integrated circuit without requiring a ... the need to laser tune the circuit. ...

[Cited by 3](#) - [Related articles](#) - [Web Search](#) - [All 7 versions](#)

### Radio system including FET mixer device and square-wave drive switching circuit and method therefor

MW Vice, CE Dexter - US Patent 6,108,529, 2000 - [Google Patents](#)

... 22,2000 [54] RADIO SYSTEM INCLUDING FET MIXER DEVICE AND SQUARE-WAVE DRIVE SWITCHING CIRCUIT AND METHOD THEREFOR [75] Inventors: Michael Wendell Vice, El ...

[Cited by 5](#) - [Related articles](#) - [Web Search](#) - [All 7 versions](#)

Key authors: [M Reed](#) - [C Dexter](#) - [J Tour](#)

[Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2009 Google



[Web](#) [Images](#) [Video](#) [News](#) [Maps](#) [more »](#)

-

Ad  
Sc  
Sc

- ☐ Search only in:
- ☒ Chemistry and Materials Science
  - ☒ Engineering, Computer Science, and Mathematics
  - ☒ Physics, Astronomy, and Planetary Science

☐ Search in all subject areas.

**Scholar** [All articles](#) - [Recent articles](#) Results 1 - 20 of about 562 for [monolithic integrated circuit tu](#)

[Direct-conversion radio transceivers for digital communications](#) - ► [kyungpook.ac.kr](#) (PDF)

AA Abidi - Solid-State Circuits, IEEE Journal of, 1995 - [ieeexplore.ieee.org](#)

... Balanced circuit topologies, on-chip EO'S that ... Several integrated receiver and transmitter IC's conforing to ... these portable phones use direct up- conversion ...

[Cited by 547](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 5 versions](#)

[A 1 GHz CMOS RF front-end IC for a direct-conversion wirelessreceiver](#) - ► [seu.edu.cn](#) (PDF)

A Rofougaran, JYC Chang, M Rofougaran, AA Abidi - Solid-State Circuits, IEEE Journal of, 1996 - [ieeexplore.ieee.org](#)

... the receiver may be integrated with a need for very few ... ments are often interdependent in a simple circuit, and may ... L,, in series with the gate to tune out the ...

[Cited by 219](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 6 versions](#)

[Low-power radio-frequency ICs for portable communications](#)

AA Abidi - Proceedings of the IEEE, 1995 - [ieeexplore.ieee.org](#)

... a high-quality receiver, the RF amplifier may ... that on-chip tuned circuits are generally ... tuned amplifiers did appear on monolithic integrated circuits, it was ...

[Cited by 142](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 2 versions](#)

[Future directions in silicon ICs for RF personal communications](#) - ► [berkeley.edu](#) (PDF)

PR Gray, RG Meyer - Custom Integrated Circuits Conference, 1995., Proceedings of ..., 1995 - [ieeexplore.ieee.org](#)

... The IF needs to be low enough that nor- mal monolithic filtering techniques such as g/C continuous ... Circuit Approaches for Integrated Synthesizers Most ...

[Cited by 195](#) - [Related articles](#) - [Web Search](#) - [All 7 versions](#)

[A 28-GHz monolithic integrated quadrature oscillator in SiGe bipolar technology](#)

S Hackl, J Bock, G Ritzberger, M Wurzer, AL ... - Solid-State Circuits, IEEE Journal of, 2003 - [ieeexplore.ieee.org](#)

... Monolithic integrated oscillators with SiGe-HBTs are pub- lished ... and the output power versus tune voltage is ... IEEE Custom Integrated Circuits Conf., May 2001, pp ...

[Cited by 24](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 2 versions](#)

[UHF/L-Band monolithic direct digital receiver](#)

RR Stehlik - US Patent 5,517,529, 1996 - [freepatentsonline.com](#)

... signal to the desired baseband sample rate, to tune the signal ... analog-to-digital converter and a heterodyning circuit, on a monolithic integrated circuit 108 ...

[Cited by 12](#) - [Related articles](#) - [Web Search](#) - [All 3 versions](#)

[Microwave triode amplifiers from 1 to 2 GHz using molybdenumthin-film-field-emission cathode devices](#)

PM Phillips, RE Neidert, L Malsawma, C Hor - Electron Devices, IEEE Transactions on, 1995 - [ieeexplore.ieee.org](#)



... work addresses all these factors with integrated experiments and ... which the details of the matching circuit network are ... 6). Each tuner is about 12 inches long ...

[Cited by 13](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 4 versions](#)

### A 150-MHz direct digital frequency synthesizer in 1.25- $\mu$ m CMOS with -90-dBc spurious performance

HT Nicholas III, H Samuelli, PG Technol, CA ... - Solid-State Circuits, IEEE Journal of, 1991 - [ieeexplore.ieee.org](#)  
... A monolithic DDFS is presented herein which simulta ... 4-b adder employing the carry-integrated register stage ... of the ROM architecture and circuits resulted in ...

[Cited by 121](#) - [Related articles](#) - [Web Search](#) - [All 4 versions](#)

### Semiconductor photonic integrated circuits

TL Koch, U Koren - Quantum Electronics, IEEE Journal of, 1991 - [ieeexplore.ieee.org](#)  
... levels and to illustrate a sampling of the ... [2], or work on monolithic wavelength-demultiplexing ... KOCH AND KOREN: SEMICONDUCTOR PHOTONIC INTEGRATED CIRCUITS 643 ...

[Cited by 118](#) - [Related articles](#) - [Web Search](#) - [All 4 versions](#)

### Voltage calibration of the direct electrooptic sampling technique

DR Hjelme, AR Mickelson - Microwave Theory and Techniques, IEEE Transactions on, 1992 - [ieeexplore.ieee.org](#)  
... the operating frequency of monolithic microwave integrated circuits (MMICs) as ... polarizing beamsplitter rotated to 45°, the circuit substrate, and ...

[Cited by 5](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 3 versions](#)

### High Integration CMOS RF Transceivers

F Brianti, G Chien, T Cho, S Lo, S Mehta, J Ou, J ... - Analog Circuit Design, 1996 - [books.google.com](#)  
... 24. K. Negus, et al, "A Highly Integrated Transmitter IC with Monolithic Narrowband Tuning ... Papers• 1993 International Solid-State Circuits Conference, San ...

[Cited by 4](#) - [Related articles](#) - [Web Search](#)

### [PDF] ► A New Argus Direct Conversion Receiver and Digital Array Receiver/Processor

G Hampson, S Ellingson - Design Report, September, 2002 - [ece.vt.edu](#)  
... MAX2105 Direct Conversion Tuner +5V +5V +5V +5V +9V ... Circuit board ad9281rev2.pcb  
1 Express PCB \$19.37 \$19.37 Integrated Circuits MAX2105CWI 1 Avnet \$6.92 \$6.92 ...

[Cited by 3](#) - [Related articles](#) - [View as HTML](#) - [Web Search](#) - [All 3 versions](#)

### MONOLITHIC INTEGRATED CIRCUIT FOR A TELEVISION RECEIVER

K UTSUNOMIYA, T KAMATA - EP Patent 1,438,841, 2004 - [freepatentsonline.com](#)  
... or passive filters in the monolithic integrated circuit isolate the ... In one embodiment, the television tuner is integrated into a single integrated circuit chip ...

[Web Search](#) - [All 5 versions](#)

### Sampling phase detector and multiple frequency band termination circuit and method

CD Grondahl - US Patent 5,953,645, 1999 - [freepatentsonline.com](#)  
... applications, open stub 21 operates to tune or optimize ... such as terminations fabricated on a monolithic microwave integrated circuit or terminations ...

[Related articles](#) - [Web Search](#) - [All 3 versions](#)

### Digital tuner with optimized clock frequency and integrated parallel CIC filter and local oscillator

TJ Genrich - US Patent 6,647,075, 2003 - [freepatentsonline.com](#)  
... 375/316, UHF/L-Band monolithic direct digital receiver. ... array, an application-specific integrated circuit, or embedded ... recognize that PCIC-based tuners are ideal ...

[Related articles](#) - [Web Search](#) - [All 4 versions](#)

### Direct conversion-how to make it work in TV tuners

F Aschwanden - Consumer Electronics, IEEE Transactions on, 1996 - [ieeexplore.ieee.org](#)

... spectra. Analog circuits are not ideal. ... filter. Page 5. Aschwanden: Direct

Conversion-How to Make It Work in TV Tuners 733 The ...

[Cited by 16](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 5 versions](#)

### High precision RF vector analysis system based on synchronous sampling

TK Bose, R Courteau - US Patent 5,631,553, 1997 - [freepatentsonline.com](#)

... strobe synthesizer 21 which can tune the system at ... and over 30 GHz with GaAs monolithic circuits. ... to 500 MHz, and with dedicated integrated circuits this would ...

[Cited by 7](#) - [Related articles](#) - [Web Search](#) - [All 5 versions](#)

### 2.5-THz GaAs monolithic membrane-diode mixer

PH Siegel, RP Smith, MC Graidis, SC Martin - Microwave Theory and Techniques, IEEE Transactions on, 1999 - [ieeexplore.ieee.org](#)

... different circuit approach, the monolithic membrane diode ... A backshort tuner cavity and top block ... and GM Rebeiz, "Progress in integrated circuit horn antennas ...

[Cited by 55](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 4 versions](#)

### High efficiency microwave power AlGaAs/InGaAs PHEMTs fabricated by dry etch single gate recess

... , F Ren, SJ Pearson, M Hu, CK Pao, RF Wang, M Div, ... - Electron Devices, IEEE Transactions on, 1995 - [ieeexplore.ieee.org](#)

... for multi-functional PHEMT devices and monolithic microwave integrated circuit products, in ... transistor model contains 13 equivalent circuit elements. ...

[Cited by 18](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 5 versions](#)

### 28 GHz active I/Q mixer with integrated QVCO in SiGe bipolar technology

S Hackl, J Bock, G Ritzberger, AG Infineon ... - Solid-State Circuits Conference, 2002. ESSCIRC 2002. ..., 2002 - [ieeexplore.ieee.org](#)

... OUT TUNE TUNE ... With 28 GHz this circuit has the highest operating frequency for I/Q ... J. Bock, M. Wurzer, and AL Scholtz, "40 GHz Monolithic Integrated Mixer in ...

[Cited by 1](#) - [Web Search](#) - [All 2 versions](#)

Key authors: [A Abidi](#) - [P Gray](#) - [A Rofougaran](#) - [J Chang](#) - [M Rofougaran](#)

Google 

Result Page:    [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#)    [Next](#)

[Google Home](#) - [About Google](#) - [About Google Scholar](#)

- ☒ Search only in:
- ☒ Chemistry and Materials Science
  - ☒ Engineering, Computer Science, and Mathematics
  - ☒ Physics, Astronomy, and Planetary Science

☐ Search in all subject areas.

Scholar All articles - [Recent articles](#) Results 1 - 20 of about 34 for [monolithic integrated circuit "d](#)

### [Radio-frequency integrated circuits for portable communications](#)

AA Abidi - Custom Integrated Circuits Conference, 1994., Proceedings of ..., 1994 - [ieeexplore.ieee.org](#)  
... filters on-chip either with spiral monolithic inductors or ... oscillator needs an off-chip LC tuned circuit. ... later years were used in integrated paging receivers. ...  
[Cited by 41](#) - [Related articles](#) - [Web Search](#) - [All 2 versions](#)

### [Sensitivity of a 1.4 GHz direct-sampling digital radiometer](#)

MA Fischman, AW England - Geoscience and Remote Sensing, IEEE Transactions on, 1999 - [ieeexplore.ieee.org](#)  
... and better reliability of monolithic integrated circuitry. ... and it is well suited for circuit integration ... STAR sensors are developed, direct- sampling could play ...  
[Cited by 20](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 6 versions](#)

### [Low-power radio-frequency ICs for portable communications](#)

AA Abidi - Proceedings of the IEEE, 1995 - [ieeexplore.ieee.org](#)  
... s have contributed digital volume-control, digital frequency- tuning ... antenna signal into the receiver [ 171 ... did appear on monolithic integrated circuits, it was ...  
[Cited by 142](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 2 versions](#)

### [Subharmonic quadrature sampling receiver and design - ►ust.hk \(PDF\)](#)

MCW Lam, CCS Ling - US Patent 5,937,013, 1999 - [freepatentsonline.com](#)  
... challenge in achieving monolithic heterodyne receiver ... using commercially available integrated circuit processing technology. ... amplifiers and AGC circuits to be ...  
[Cited by 6](#) - [Related articles](#) - [Web Search](#) - [All 4 versions](#)

### [A high performance HF software radio](#)

NC Davies - HF Radio Systems and Techniques, 2000. Eighth International ..., 2000 - [ieeexplore.ieee.org](#)  
... Now, for the first time, direct sampling, all-band digital receivers are finally becoming possible for ... Monolithic Microwave Integrated Circuits (MMICs ...  
[Cited by 13](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 3 versions](#)

### [Design of mobile radio transceiver RFICs: current status and future trends](#)

L Maurer, K Chabrak, R Weigel, DDIC Eng, A Linz - Control, Communications and Signal Processing, 2004. First ..., 2004 - [ieeexplore.ieee.org](#)  
... baseband amplifiers that are suitable to monolithic integration ... IEEE J. of Solid-State Circuits, vol ... al., "Fully Integrated W-CDMA IF Receiver and Transmitter ...  
[Cited by 5](#) - [Related articles](#) - [Web Search](#)

### [An L-band direct sampling digital radiometer for STAR technologysensors](#)

MA Fischman, AW England - Aerospace Conference Proceedings, 2000 IEEE, 2000 - [ieeexplore.ieee.org](#)  
... brightness out, with a relatively simple integrated circuit. ... each receiver could be monolithic except for ... this L-band Direct Sampling Digital Radiometer (DSDR ...

[Cited by 4](#) - [Related articles](#) - [Web Search](#)

### Superconductor analog-to-digital converters - [► hypres.com](#) (PDF)

OA Mukhanov, D Gupta, AM Kadin, VK Semenov, H Inc, ... - Proceedings of the IEEE, 2004 - [ieeexplore.ieee.org](#)  
... rapid single-flux quantum (RSFQ) logic, these integrated circuits are capable ...  
to-digital converter (ADC), decimation filter, digital receiver, digitizer, flux ...

[Cited by 34](#) - [Related articles](#) - [Web Search](#) - [All 4 versions](#)

### HBT IC manufacturability and reliability

M Hafizi - Solid State Electronics, 1997 - Elsevier

... based ADC's are particularly in demand for direct sampling receivers in ... 40  
Gbit/s as well as monolithic optoelectronic integrated circuits[7-10 ...

[Cited by 9](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 3 versions](#)

### A software-radio front-end for microwave applications - [► adv-radio-sci.net](#) (PDF)

M Streifinger, T Muller, JF Luy, EA Biebl - Silicon Monolithic Integrated Circuits in RF Systems, 2003. ..., 2003 - [ieeexplore.ieee.org](#)

... In future, also the holding capacity will be integrated in this chip module. ... mounted  
on TMMIOi substrate and connected to the balun and the bias circuits. ...

[Cited by 4](#) - [Related articles](#) - [Web Search](#) - [All 6 versions](#)

### Highly integrated mixed-signal L-band configurable receiver array

RM Herman, A Chao, J Deichsel, CH Mason, A McKay, ... - ... and Millimeter-Wave Monolithic Circuits  
Symposium, 1994. ..., 1994 - [ieeexplore.ieee.org](#)

... 23 needs for highly integrated mixed-signal receiver ... Microwave and Millimeter-Wave  
Monolithic Circuits Symposium ... resistance to control circuit properties such ...

[Cited by 2](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 2 versions](#)

### [BOOK] RF technologies for low power wireless communications

T Itoh, GI Haddad, J Harvey, Institute of ... - 2001 - [doi.wiley.com](#)

... processor (DSP), 201 Diplexer, 384, 385, 394, 397 Direct conversion, 37 Direct sampling,  
37 Direct ... Monolithic microwave integrated circuit (MMIC), 95 ...

[Cited by 17](#) - [Related articles](#) - [Web Search](#) - [Library Search](#) - [All 2 versions](#)

### An L-band direct-sampling digital radiometer: design and performance evaluation

MA Fischman, AW England - Geoscience and Remote Sensing Symposium, 1999. IGARSS'99 ..., 1999 - [ieeexplore.ieee.org](#)

... to the design of a monolithic, phase-stable ... point represents the correlator output  
integrated over 4 ... a more highly sensitive correlator circuit operating at 40 ...

[Cited by 2](#) - [Related articles](#) - [Web Search](#)

### Low-power RF-ICs in wireless transceivers

AA Abidi - Low Power Electronics, 1994. Digest of Technical Papers., ..., 1994 - [ieeexplore.ieee.org](#)

... Digital Mobile Radio", in Bipolar Circuits and Technology ... J., et al., "An Integrated  
Si Bipolar ... in Microwave 6 Millimeter-Wave Monolithic Circuits Symp., pp ...

[Cited by 2](#) - [Related articles](#) - [Web Search](#) - [All 2 versions](#)

### [BOOK] Digital Signal Processing in Communication Systems

ME Frerking - 1994 - [books.google.com](#)

... Harmonic Sampling Receiver 353 Direct Sampling Receiver 364 Radio ... cost of redesigning  
an integrated circuit or re ... 1.1 Block diagram of early digital receiver ...

[Cited by 128](#) - [Related articles](#) - [Web Search](#) - [Library Search](#) - [All 2 versions](#)

### [PDF] [► Integrated optoelectronic circuits with InP-based HBTs](#)

D Yap, YK Brown, RH Walden, TPE Broekaert, KR ... - Proceedings of SPIE, 2001 - [optics.arizona.edu](#)

... jim) can be achieved even when integrated with the ... HEMT combined with the fully monolithic integration results ... 7(b). The 4-bit converter circuit contains over ...

[Cited by 1](#) - [Related articles](#) - [View as HTML](#) - [Web Search](#) - [All 4 versions](#)

### Hemt circuits for signal/data processing

M Berroth, V Hum, M Lang, Z Lao, A Thiede, ZG ... - Solid State Electronics, 1997 - Elsevier  
... are also needed for direct sampling receivers, satellite ... the feasibility of complex monolithic integrated circuits for T ... receiver MMIC with digital control logic ...

[Cited by 1](#) - [Related articles](#) - [Web Search](#) - [BL Direct](#) - [All 3 versions](#)

### Digital tuner with optimized clock frequency and integrated parallel CIC filter and local oscillator

TJ Genrich - US Patent 6,647,075, 2003 - [freepatentsonline.com](#)

... 375/316, UHF/L-Band monolithic direct digital ... EPLD), or application-specific integrated circuit (ASIC ... Direct sampling also eliminates the oscillators and mixers ...

[Related articles](#) - [Web Search](#) - [All 4 versions](#)

### Electronic component allowing the decoding of satellite digital television signals

P Busson, PO Jouffre, B Louis-Gavet - US Patent App. 10/814,818, 2004 - Google Patents  
... CI 725/63 (57) ABSTRACT An integrated circuit is embodied on a monolithic substrate and incorporates a tuning module of the direct sampling type that ...

[Web Search](#)

### Sampling architectures [radio receivers]

E Courses, T Surveys - Microwave Symposium Digest, 2003 IEEE MTT-S International, 2003 - [ieeexplore.ieee.org](#)

... during the design of the circuit resulted in ... a second design, this capacitor was integrated monolithically ... problem could be solved by monolithic integration of ...

[Web Search](#)

Key authors: [A Abidi](#) - [O Mukhanov](#) - [M Fischman](#) - [M Frerking](#) - [D Gupta](#)

Google ►

Result Page:    1   2    [Next](#)

[Google Home](#) - [About Google](#) - [About Google Scholar](#)